

NOTE: SEE STD 300, SHT. 2 OF 3
FOR PARKWAY COVER & FRAME

FRAME 23 3/4"

OPENING

2" 3"

EXCEPT FOR REINFORCING
BARS SHOWN ADJACENT TO
FRAME, REINFORCE TOP
SLAB WITH NO. 3 BARS
SPACED 6" C-C.

ANCHOR
R=4"

EXPANSION JOINT

EXPANSION JOINT

CURB

4' MIN.

6' MIN.

OPENING TO BE SPECIFIED
ON IMPROVEMENT PLAN
SEE NOTES - STD 300 SHT. 3 OF 3

SEE STD 303 FOR
GUTTER DEPRESSION

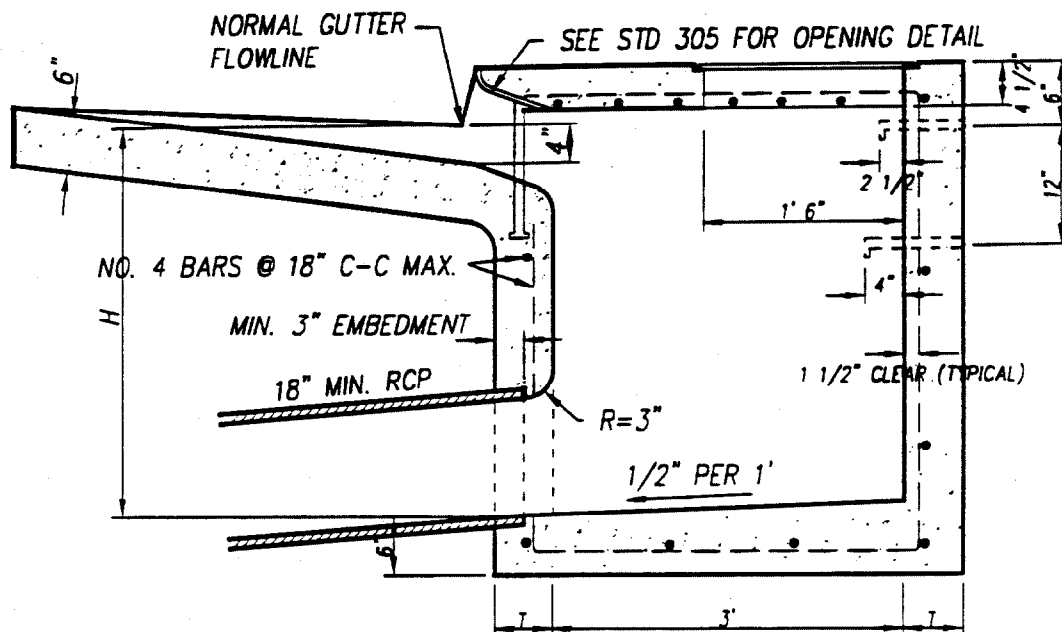
COMPACT BACKFILL TO 90% MIN., WITH THE
TOP 12" COMPACTED TO 95% MIN. UNDER PAVING.

EXPANSION JOINT

GUTTER

STRAIGHT GRADE

COMPACT BACKFILL TO 90% MIN., WITH THE
TOP 12" COMPACTED TO 95% MIN. UNDER PAVING.



SECTION A-A

STANDARD

CURB INLET CATCH BASIN

DETAIL

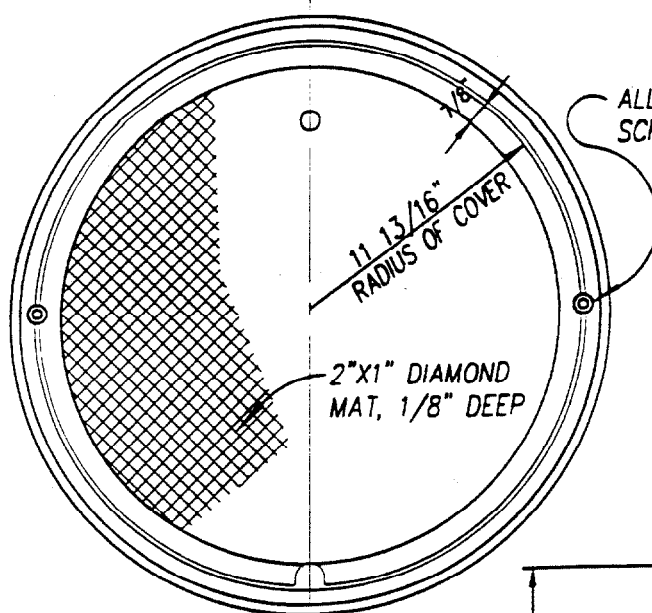
300

SHT. 1 OF 3

Within 9.6

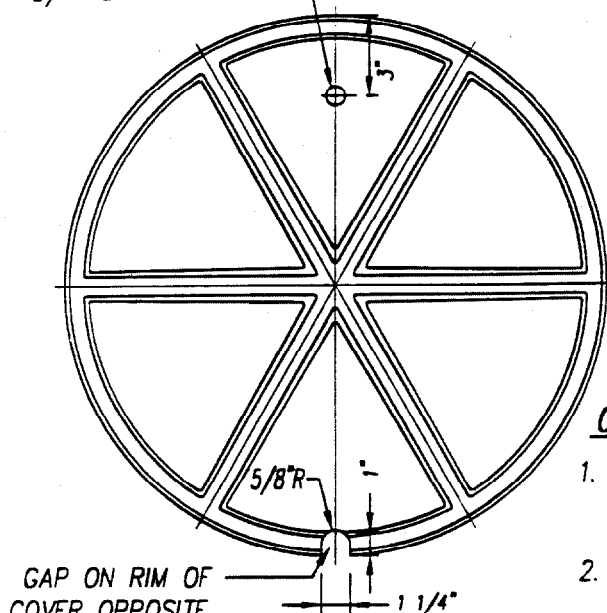
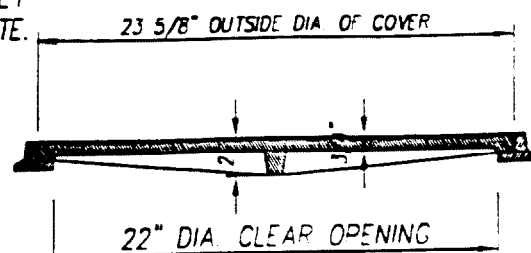
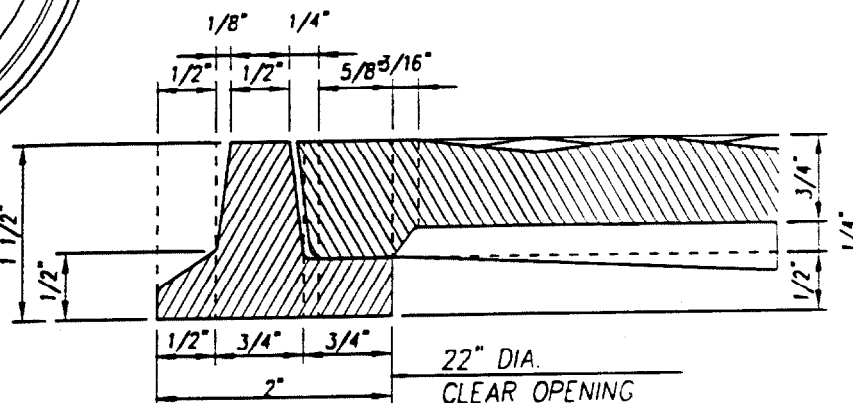
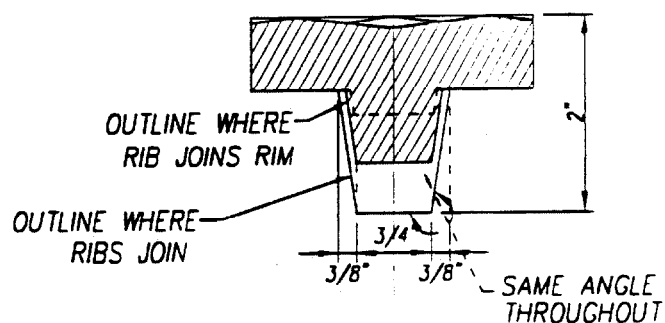
5/31/01

APPROVED BY: CITY ENGINEER DATE

**TOP OF MANHOLE FRAME & COVER**

TOTAL WT. = 130 LBS.

3/4" DIA. PICK HOLE

GAP ON RIM OF
COVER OPPOSITE
PICK HOLE**BOTTOM OF MANHOLE COVER**ALLEN SOCKET SET
SCREW. SEE NOTE.**CROSS SECTION THRU FRAME & COVER****CROSS SECTION THRU RIM****CROSS SECTION THRU RIB AT MID RADIUS**

1. FRAME AND COVER SHALL BE GRAY CAST IRON CONFORMING TO THE LATEST A.S.T.M. STANDARD A48, CLASS 30 OR BETTER. GALVANIZE PER A.S.T.M. A385.
2. INSTALL TWO 3/4"X3/4" ALLEN SOCKET SET SCREWS, 90° TO PICK HOLE, IN HOLES DRILLED AND TAPPED 1" IN DEPTH. GALVANIZE PER A.S.T.M. 153.
3. FRAME AND COVER SHALL BE TESTED FOR ACCURACY OF FIT AND SHALL BE MARKED IN SETS BEFORE DELIVERY. RETAP FRAME AS REQUIRED TO SUIT SET SCREWS.

CITY OF RANCHO MIRAGE

REVISIONS

**CURB INLET CATCH BASIN
MANHOLE FRAME AND COVER**APPROVED BY: *[Signature]* DATE: 5/31/01**STANDARD****DETAIL****300****SHT. 2 OF 3**



CONNECTION PIPES MAY BE PLACED ANY POSITION AROUND THE WALLS, PROVIDED THEY POINT IN THE PROPER DIRECTION AND THE POSITION IS OTHERWISE CONSISTENT WITH THE IMPROVEMENT PLANS.

CURVATURE OF THE LIP AND SIDEWALLS AT GUTTER OPENING SHALL BE FORMED BY CURVED FORMS AND SHALL NOT BE MADE BY PLASTERING.

DIMENSIONS:

$T = 6"$ IF H IS $8'$ OR LESS

$T = 8"$ IF H IS GREATER THAN $8'$ AND LESS THAN $20'$

$H = 3' 6"$, UNLESS OTHERWISE SPECIFIED

FLOOR OF BASIN SHALL BE GIVEN A STEEL-TROWELLED FINISH.

MANHOLE SHALL BE PLACED AS SHOWN ON STD 300, SHEET 1 OF 3, UNLESS NOTED DIFFERENTLY ON IMPROVEMENT PLANS.

OUTLET PIPE SHALL BE TRIMMED TO THE FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.

OPENING SHALL BE $4'$ UNLESS OTHERWISE SPECIFIED.

REINFORCING STEEL SHALL BE NO. 3 ROUND DEFORMED BARS IN TOP SLAB AND NO. 4 BARS AT 18 INCH CENTERS IN SIDES OF BOX.

STEPS SHALL BE $3/4"$ PLAIN ROUND GALVANIZED STEEL AND SHALL BE ALHAMBRA FDY. A-3320 OR EQUAL.

IF H IS 3.5 FEET OR LESS, NO STEPS ARE REQUIRED.

IF H IS MORE THAN 3.5 FEET, AND NOT MORE THAN $5'$, INSTALL 1 STEP $16"$ ABOVE FLOOR OF BASIN.

IF H IS MORE THAN 5 FEET, INSTALL STEPS $12"$ APART, WITH THE TOP STEP $6"$ BELOW THE SURFACE OF THE BASIN.

ALL STEPS SHALL BE $4"$ FROM THE WALL, EXCEPT THE TOP STEP, WHICH SHALL BE $2\ 1/2"$ (CLEAR) FROM THE WALL, AND ANCHORED NOT LESS THAN 5 INCHES IN THE WALL OF THE BASIN.

SURFACE OF ALL EXPOSED CONCRETE IN BASIN SHALL CONFORM IN SLOPE, GRADES, COLOR, FINISH AND SCORING TO EXISTING OR PROPOSED CURB AND WALL ADJACENT TO THE BASIN.

CONCRETE SHALL BE CLASS 560-C-3250. WHEN THE BASIN IS CONTIGUOUS TO A SIDEWALK, THE TOP OF THE BASIN SHALL BE POURED MONOLITHIC WITH THE SIDEWALK USING CLASS 560-C-3250 CONCRETE FOR THE SIDEWALK AND THE TOP OF THE CATCH BASIN FINISHED PER SIDEWALK STANDARDS.

CITY OF RANCHO MIRAGE

STANDARD

REVISIONS

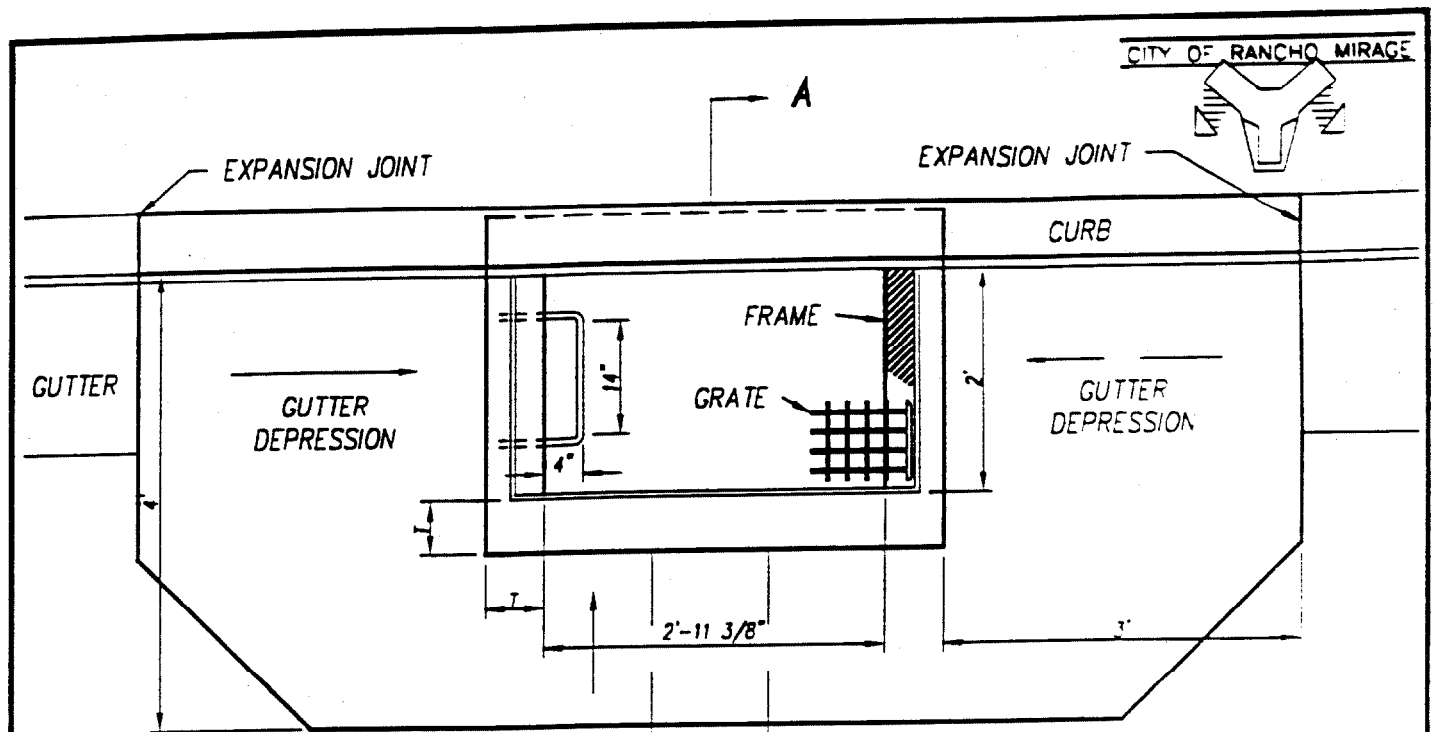
CURB INLET CATCH BASIN
NOTES

DETAIL

300

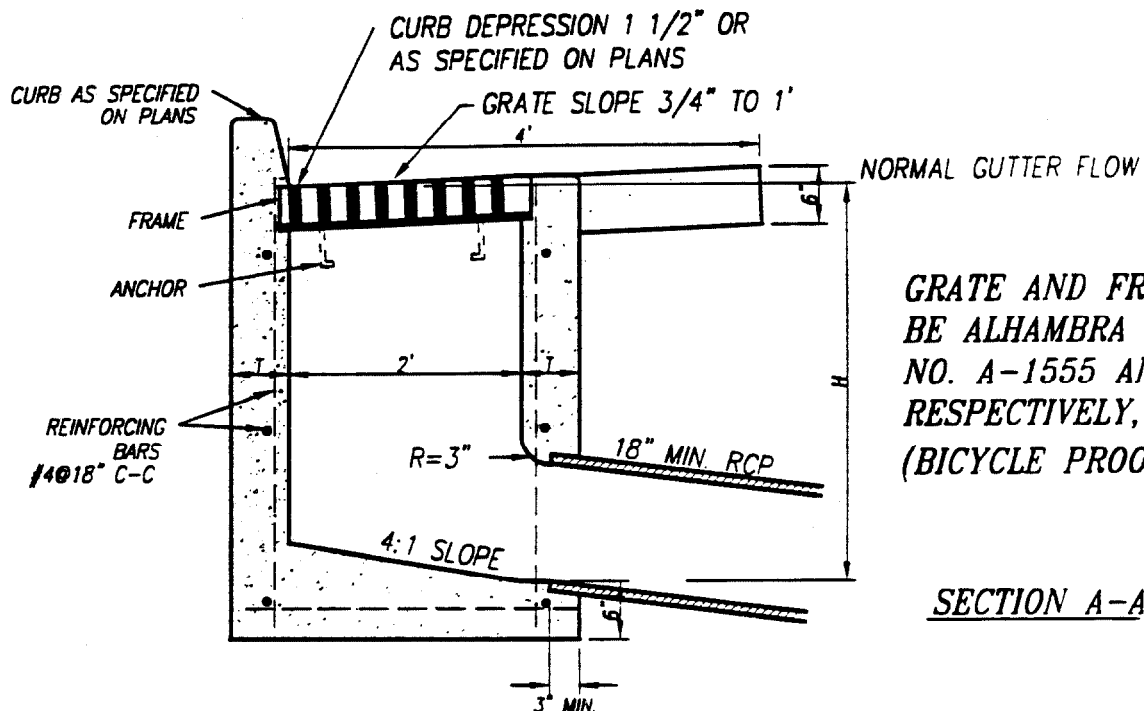
APPROVED BY: *William G. Cross* 5/31/01
CITY ENGINEER DATE

SHT. 3 OF 3



COMPACT BACKFILL TO 90% MIN., WITH THE TOP 12\" COMPACTED TO 95% MIN. UNDER PAVING.

SEE STD 304 FOR GUTTER DEPRESSION

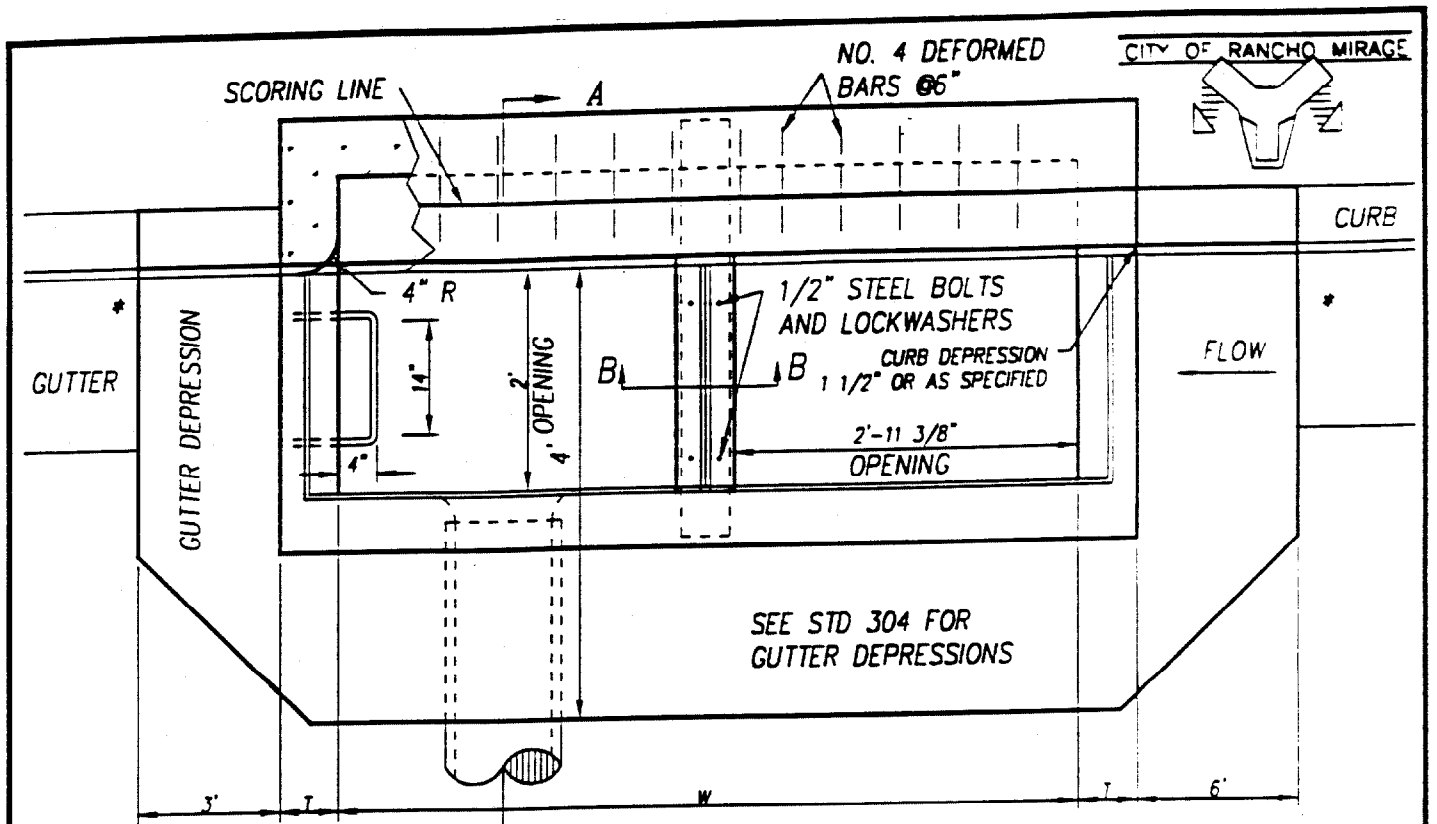


GRATE AND FRAME SHALL BE ALHAMBRA FOUNDRY NO. A-1555 AND A-1557, RESPECTIVELY, OR EQUAL. (BICYCLE PROOF GRATE)

SECTION A-A

SEE STD 302, SHT 2 OF 2 FOR APPLICABLE NOTES
NOTE: USE OF THIS STANDARD REQUIRES PRIOR APPROVAL OF CITY ENGINEER

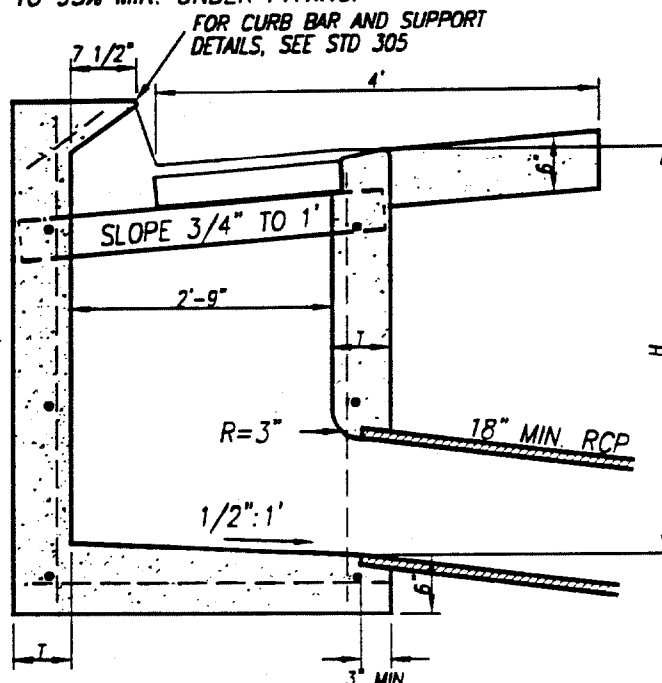
CITY OF RANCHO MIRAGE		STANDARD DETAIL 301
REVISIONS	GRATE INLET CATCH BASIN	
	<i>William A. [Signature]</i>	
	APPROVED BY: CITY ENGINEER	
	DATE 5/31/01	



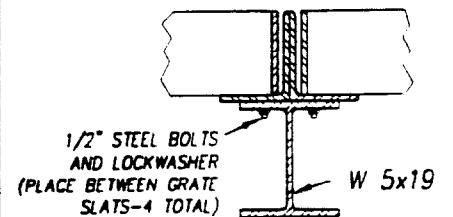
COMPACT BACKFILL TO 90% MIN., WITH THE TOP 12" COMPACTED TO 95% MIN. UNDER PAVING.

* EXPANSION JOINTS

SECTION A-A



NORMAL GUTTER FLOW LINE



SECTION B-B

SEE NOTES ON STD 302, SHT 2 OF 2
NOTE: USE OF THIS STANDARD REQUIRES PRIOR APPROVAL OF CITY ENGINEER

CITY OF RANCHO MIRAGE

STANDARD

REVISIONS

**COMBINATION INLET
CATCH BASIN**

DETAIL

302

SHT. 1 OF 2

APPROVED BY: *[Signature]* DATE: 5/31/01
CITY ENGINEER



BASIN SHALL HAVE ONE GRATING UNLESS OTHERWISE SPECIFIED ON IMPROVEMENT PLANS. GRATE AND FRAME SHALL BE ALHAMBRA FOUNDRY A-1555 AND A-1557, RESPECTIVELY, OR APPROVED EQUAL. ONLY BICYCLE PROOF GRATES WILL BE ALLOWED.

CONCRETE SHALL BE CLASS 560-C-3250. WHEN THE BASIN IS TO BE CONSTRUCTED WITHIN THE LIMITS OF A PROPOSED SIDEWALK OR IS CONTIGUOUS TO SUCH A SIDEWALK, THE TOP OF THE BASIN SHALL BE POURED MONOLITHIC WITH THE SIDEWALK, USING CLASS 560-C-3250 CONCRETE FOR THE SIDEWALK. THE TOP OF THE CATCH BASIN SHALL BE FINISHED PER SIDEWALK STANDARDS.

CONNECTION PIPES MAY BE PLACED IN ANY POSITION AROUND THE WALLS, PROVIDED THEY POINT IN THE PROPER DIRECTION AND THE POSITION IS OTHERWISE CONSISTENT WITH THE IMPROVEMENT PLAN.

CURVATURE OF THE END-WALLS AT CURB OPENING SHALL BE FORMED BY CURVED FORMS AND SHALL NOT BE MADE BY PLASTERING.

DIMENSIONS:

GRATE SHALL BE PARALLEL TO PLANE OF GUTTER SLOPE. $3/4"$ TO $1"$.

$T = 6"$ IF $H = 8'$ OR LESS

$T = 8"$ IF H IS GREATER THAN $8'$ AND LESS THAN $20'$

$H = 3'-6"$, UNLESS OTHERWISE SPECIFIED ON IMPROVEMENT PLANS

$W = 2'-11\ 3/8"$ FOR ONE GRATING. ADD $3'-5\ 3/8"$ FOR EACH ADDITIONAL GRATING.

EXPOSED SURFACES OF THE CATCH BASIN SHALL CONFORM IN SLOPE, GRADE, COLOR, FINISH, AND SCORING TO EXISTING IMPROVEMENTS ADJACENT TO THE BASIN. WHERE NO SIDEWALK EXISTS, THE TOP SHALL BE FINISHED TO CONFORM TO STANDARD SIDEWALK SLOPE AND FINISH. WHERE NO CURB EXISTS, THE BATTER OF EXPOSED END WALLS ABOVE THE STREET SURFACE SHALL CONFORM TO BATTER FOR STANDARD CURB.

FLOOR OF BASIN SHALL BE GIVEN A STEEL-TROWELLED FINISH.

OUTLET PIPE SHALL BE TRIMMED TO THE FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.

REINFORCING STEEL SHALL BE NO. 4 DEFORMED BARS. CLEARANCE SHALL BE $1\ 1/2"$ FROM INSIDE OF BOX. SPACING IS AS SHOWN IN TOP SLAB AND AT $18"$ CENTERS IN SIDES OF BOX.

SLOPE OF FLOOR PARALLEL WITH CURB SHALL BE 1:12 UNLESS OTHERWISE SPECIFIED. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.

STEPS:

$3/4"$ PLAIN ROUND GALVANIZED STEEL STEPS ARE REQUIRED AS FOLLOWS:

ALHAMBRA FDY. A-3320 OR EQUAL

IF H IS $3.5'$ OR LESS, NO STEPS ARE REQUIRED.

IF H IS MORE THAN $3.5'$, AND NOT MORE THAN $5'$, INSTALL ONE STEP $16"$ ABOVE FLOOR OF BASIN.

IF H IS MORE THAN $5'$, INSTALL STEPS $12"$ APART, WITH THE TOP STEP $6"$ BELOW THE TOP OF

GRATING. ALL STEPS SHALL BE $4"$ CLEAR FROM THE WALL EXCEPT THE TOP STEP, WHICH SHALL BE $2\ 1/2"$ CLEAR FROM THE WALL AND ANCHORED NOT LESS THAN $5"$ IN WALL OF BASIN.

NOTE: USE OF THIS STANDARD REQUIRES PRIOR APPROVAL OF CITY ENGINEER

CITY OF RANCHO MIRAGE

STANDARD

REVISIONS

**COMBINATION INLET
CATCH BASIN NOTES**

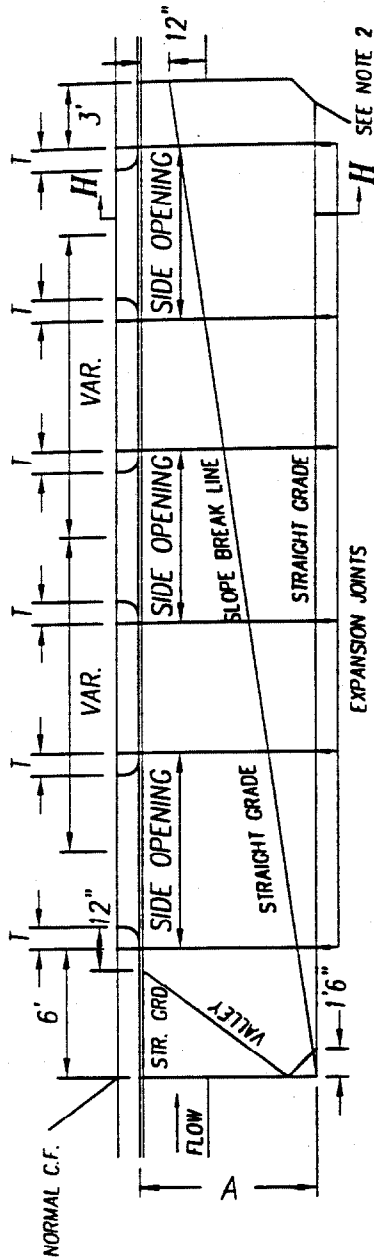
DETAIL

302

SHT. 2 OF 2

APPROVED BY: *William G. Lewis* 5/31/01
CITY ENGINEER DATE

CITY OF RANCHO MIRAGE		STANDARD DETAIL 303
REVISIONS	GUTTER DEPRESSION FOR CURB OPENING CATCH BASIN	
	<i>[Signature]</i> 5/31/01	
	APPROVED BY: CITY ENGINEER DATE	

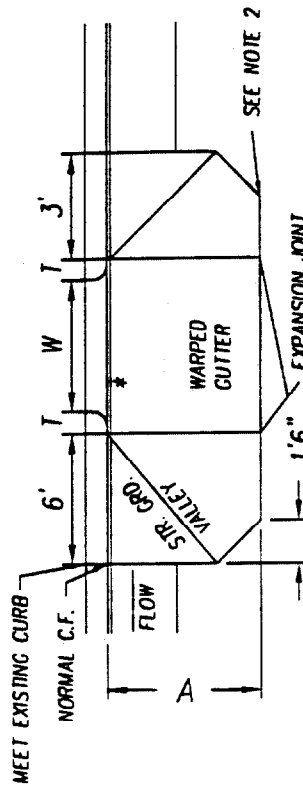


CASE A - MULTIPLE C.B.

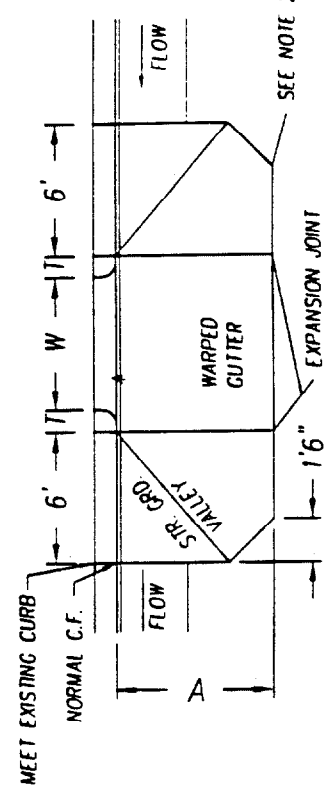
NOTES:

1. GUTTER DEPRESSION SHALL BE CASE B UNLESS OTHERWISE NOTED ON PROJECT DRAWINGS.
2. ELEVATION OF OUTER CORNERS SHOWN ON PROJECT. IF NO ELEVATIONS ARE SPECIFIED, THE OUTER EDGE GUTTER DEPRESSION SHALL CONFORM TO FINISHED STREET SURFACE.
3. A=4 FEET UNLESS OTHERWISE SPECIFIED.
T= (SEE STD 300 SHT. J OF J)
4. WHERE NO CURB EXIST, CURBS SHALL BE CONSTRUCTED BETWEEN ENDS OF GUTTER DEPRESSION. CURB SECTION SHALL CONFORM TO A STANDARD CURB APPROVED BY THE CITY ENGINEER.
5. DEPRESSION SHALL BE CLASS 560-C-3250 P.C. CONCRETE, PLACED OVER COMPACTED NATIVE OR AGGREGATE BASE MATERIALS. COMPACTION SHALL BE 90% RELATIVE TO MAXIMUM, EXCEPT IN THE TOP FOOT WHERE THE RELATIVE COMPACTION SHALL BE 95%, MINIMUM.

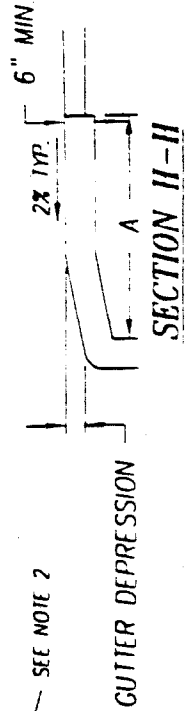
- CATCH BASIN OPENING = NORMAL CURB HEIGHT + 4 INCHES UNLESS OTHERWISE SPECIFIED



**CASE B
(CONTINUOUS GRADE)**



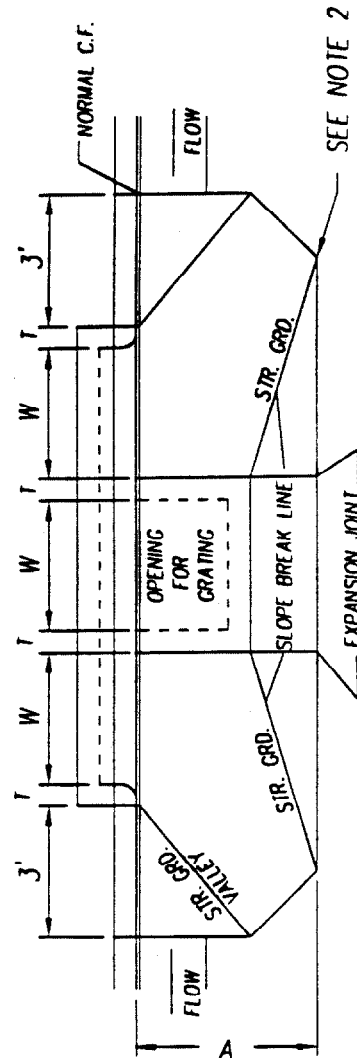
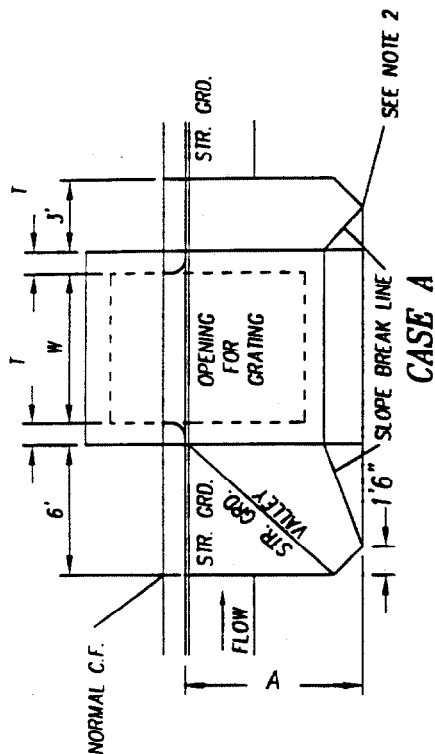
**CASE C
(SAG)**





NOTES:

1. GUTTER DEPRESSIONS SHALL BE CASE "A" (SEE STD 302) UNLESS OTHERWISE SPECIFIED.
2. ELEVATIONS AT OUTER CORNERS SHOWN ON THE PROJECT DRAWINGS. IF NO ELEVATIONS ARE SPECIFIED, THE OUTER EDGE OF THE GUTTER DEPRESSION SHALL CONFORM TO THE FINISHED STREET SURFACE.
3. A = 4 FEET UNLESS OTHERWISE SPECIFIED.
T = SEE STD 302, SHT 2 OF 2
W = SEE STD 302, SHT 2 OF 2
4. WHERE NO CURB EXISTS, CURB SHALL BE CONSTRUCTED BETWEEN ENDS OF GUTTER DEPRESSION. CURB SECTION SHALL CONFORM TO A STD CURB APPROVED BY THE CITY ENGINEER.
5. DEPRESSION SHALL BE CLASS 560-C-1250 P.C. CONCRETE, PLACED OVER COMPACTED NATIVE OR AGGREGATE BASE MATERIALS. COMPACTION SHALL BE 90% RELATIVE TO MAXIMUM, EXCEPT IN THE TOP FOOT WHERE THE RELATIVE COMPACTION SHALL BE 95% MINIMUM.



CITY OF RANCHO MIRAGE

REVISIONS

GUTTER DEPRESSION FOR
GRATE OPENING CATCH BASIN

[Signature] 5/31/01
APPROVED BY: CITY ENGINEER DATE

STANDARD

DETAIL

304

CURB HEIGHT + 4"

BATTER TO CONFORM WITH ADJOINING CURB

GUTTER FLOW LINE 1/24"

1 1/8" HOLE IN PLATE

ADJUSTING NUTS TO BE TIGHTENED AND SECURED IN PLACE WHEN STEEL PLATE ANGLE IS IN PROPER POSITION

1 1/2" DIA. STIRRUP WELD AS SHOWN

1/4"

1 1/8" R

1 1/2"

1 7/8"

1 1/4"

5"

1 1/8"

5 3/8"

3"

1/4"

11/16" R

1/4" R

CUT REINFORCING STEEL TO CLEAR FACE PLATE

① FACE PLATE 5/16"x10" ROLLED PLATE (ASTM A36) FORMED AS SHOWN. (ALHAMBRA FOUNDRY A-3911 OR EQUIV.) EXTEND LENGTH OF BOX

② FACE PLATE ANCHORAGE 1/2" DIA. STEEL ANCHOR 42" O.C. MAX. PLACE AS SHOWN

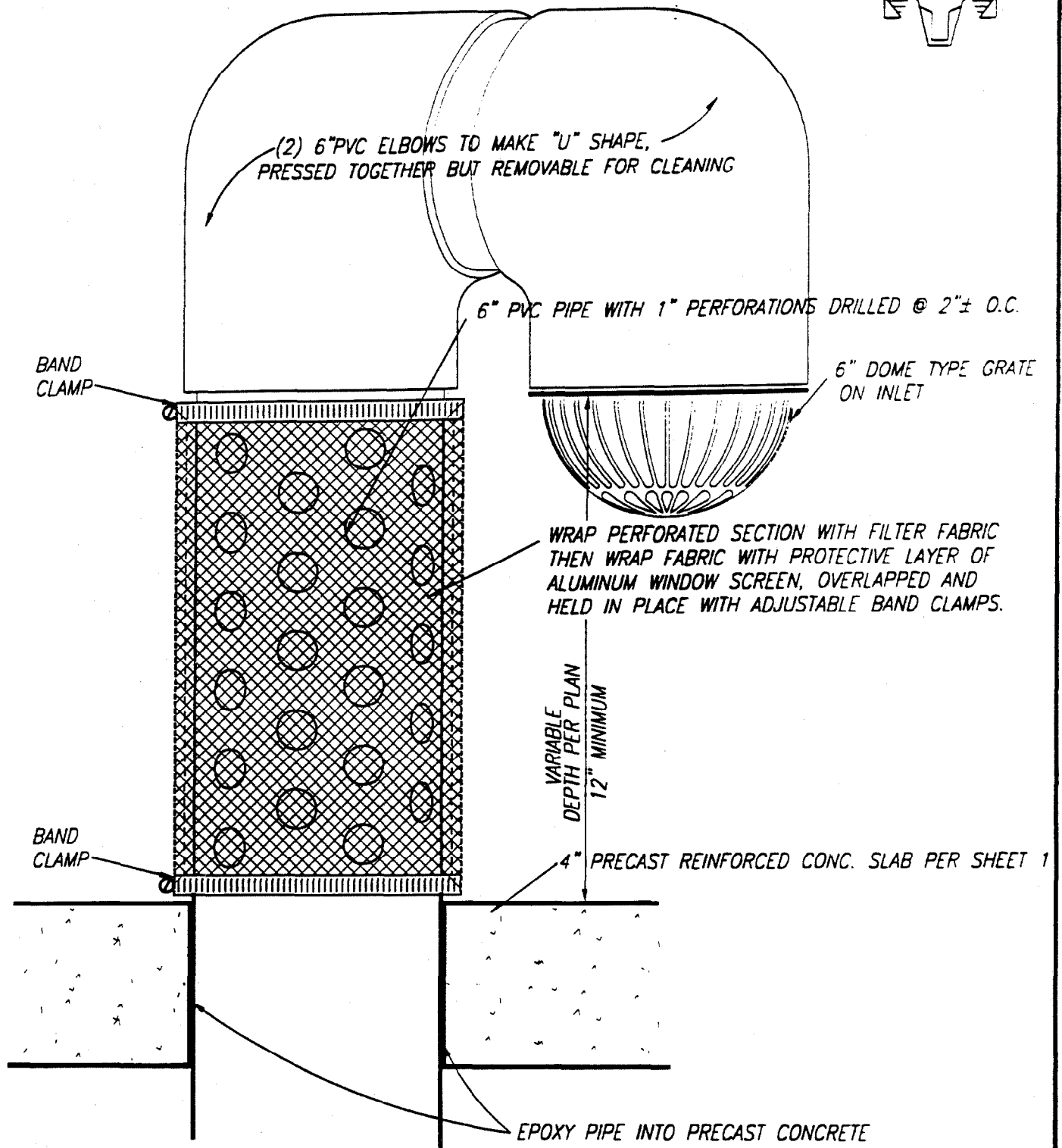
③ PROTECTION BAR: PLAIN ROUND STEEL BAR 1" DIA. SHALL BE INSTALLED WHEN NORMAL CURB HEIGHT IS GREATER THAN 6". THE BAR SHALL BE EMBEDDED 5" AT EACH END.

④ SUPPORT BAR 2" DIA. x20" LONG W/ SQ. HEAD AND HEX NUT, BEND AS SHOWN. SPACING SHALL NOT EXCEED 4 FEET.

5. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED.

APPROVED BY: William G. [Signature] CITY ENGINEER DATE 5/31/01

305



CITY OF RANCHO MIRAGE

REVISIONS

**FILTERED COLLAR
FOR STANDARD DRYWELL**

William H. ...

APPROVED BY:

CITY ENGINEER

DATE

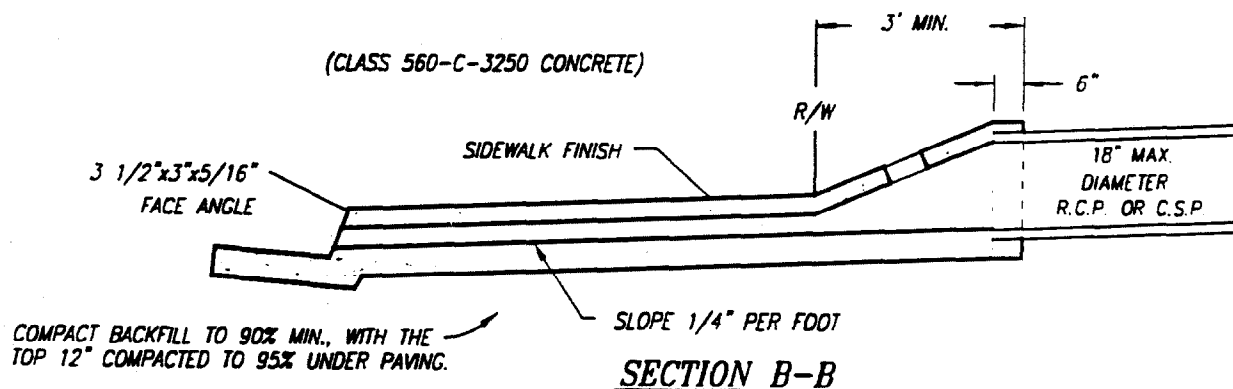
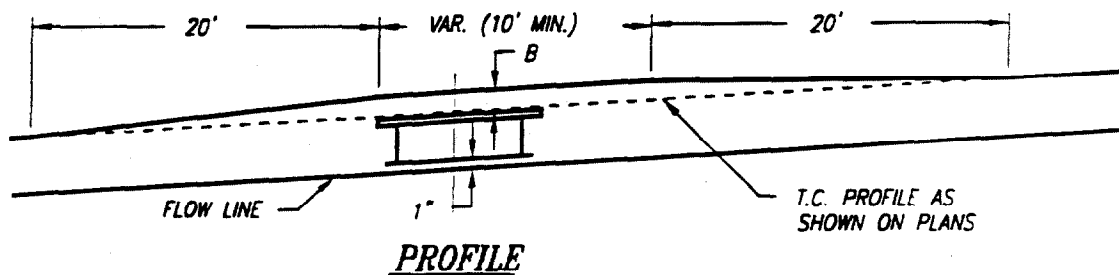
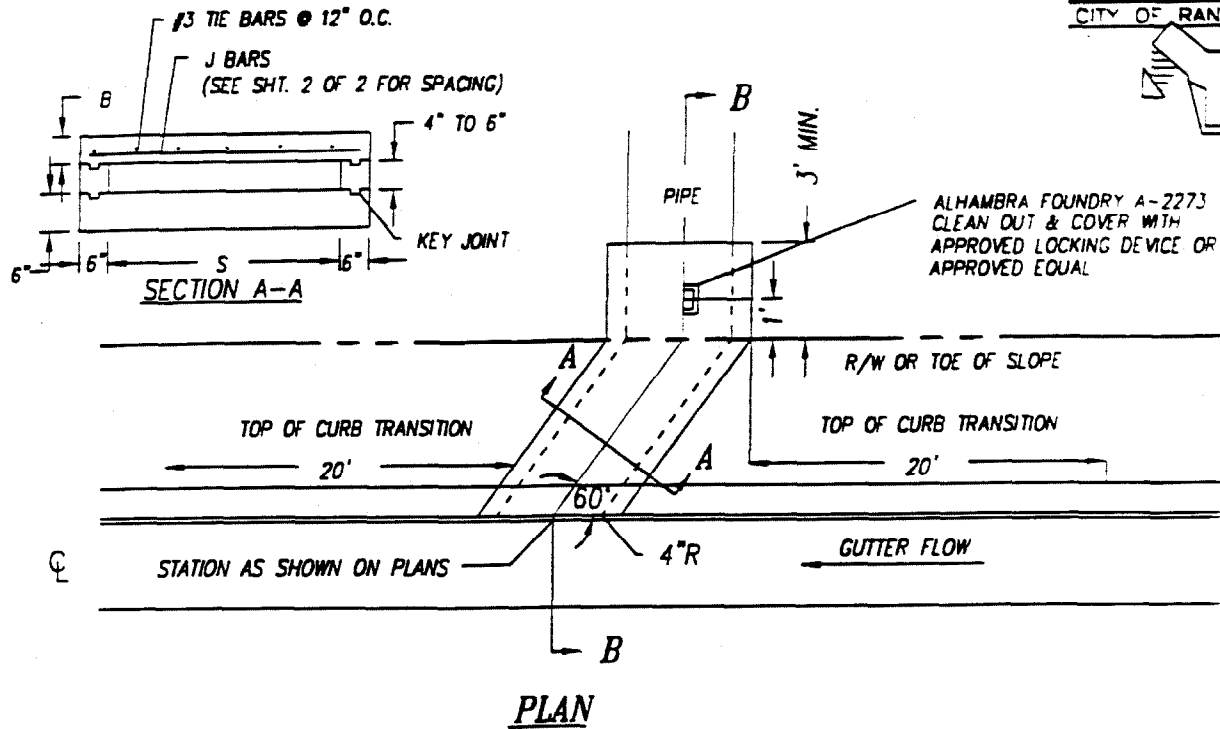
5/31/01

STANDARD

DETAIL

306

SHEET 2 OF 2



SHT. 1 OF 2

CITY OF RANCHO MIRAGE

REVISIONS

UNDERWALK DRAIN

STANDARD

DETAIL

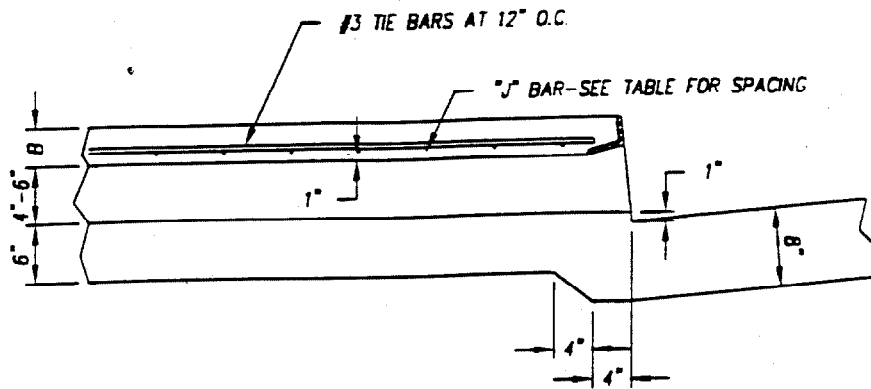
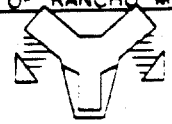
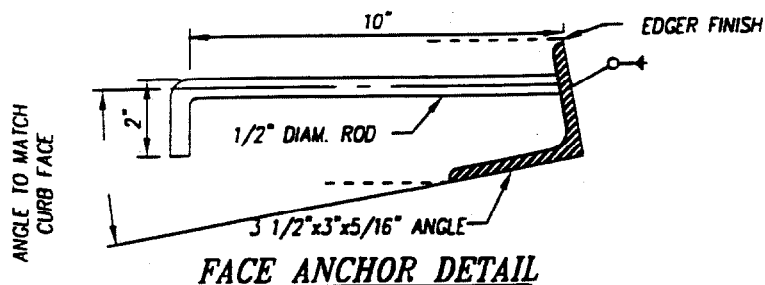
307

APPROVED BY:

CITY ENGINEER

DATE

5/31/01

**OUTLET DETAIL****FACE ANCHOR DETAIL**

SPAN S	B	STEEL SCHEDULE J-BARS		
		SIZE	SPACING	LENGTH
2' 0"	3"	#3	7"	2' 9"
2' 6"	"	"	"	3' 3"
3' 0"	"	"	"	3' 9"
3' 6"	"	"	6"	4' 3"
4' 0"	"	"	5"	4' 9"
4' 6"	4"	"	6 1/2"	5' 3"
5' 0"	"	"	5"	5' 9"
5' 6"	"	"	4"	6' 3"
6' 0"	"	"	3 1/2"	6' 9"

LENGTH OF CURB OPENING	NO. OF ANCHORS
3' OR LESS	2
3' 6" TO 6'	3

NOTES

1. FLOOR OF UNDERWALK DRAIN SHALL HAVE A STEEL TROWEL FINISH.
2. ALL EXPOSED METAL SHALL BE GALVANIZED AFTER FABRICATION.
3. HEIGHT OF CURB OPENING WILL VARY WITH TYPE OF CURB.
4. SPAN "S" AND HEIGHT OF CURB OPENING WILL BE DETERMINED FROM THE REQUIRED HYDRAULIC CAPACITY AND LIMITED TO THE DIMENSION IN THE ABOVE TABLE.
5. REINFORCING STEEL SHALL BE 1" CLEAR TO INSIDE OF CULVERT UNLESS OTHERWISE SHOWN.
6. SPAN "S" AND HEIGHT OF OPENING AND CURB FACE SHALL BE NOTED ON THE PLANS.

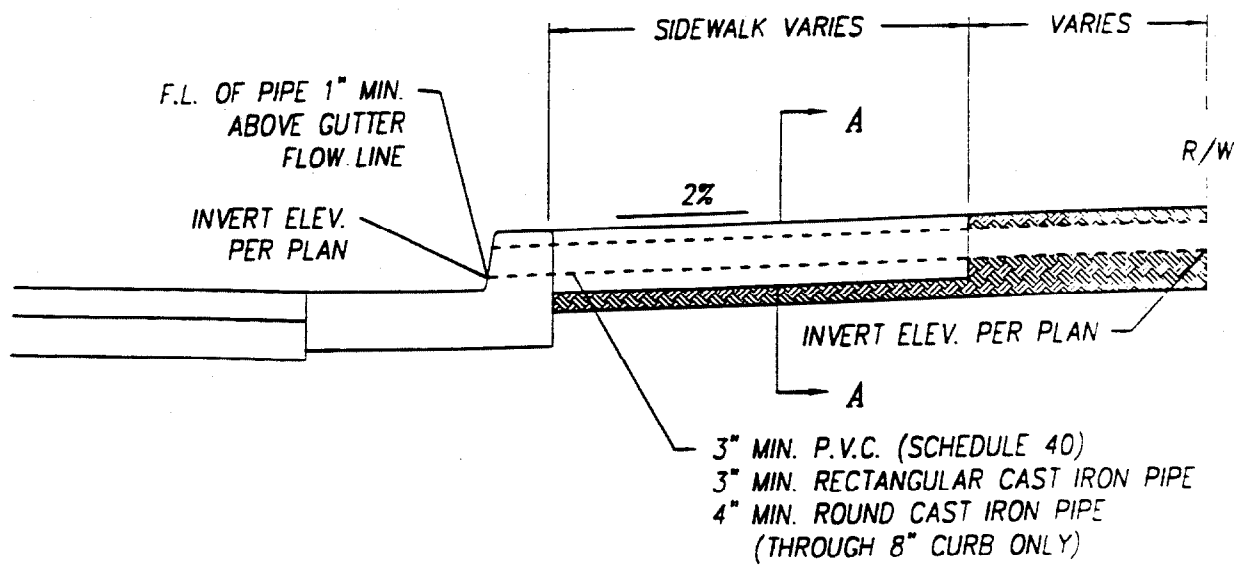
SHT. 2 OF 2

CITY OF RANCHO MIRAGE

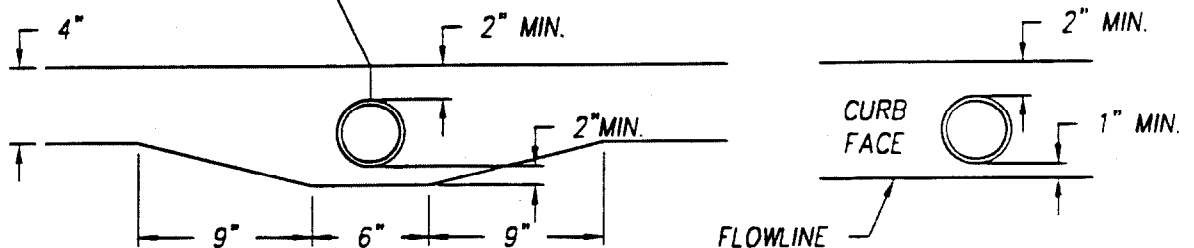
REVISIONS

UNDERWALK DRAIN**STANDARD****DETAIL****307**APPROVED BY:  DATE: 5/31/01

CITY ENGINEER



INSTALL POLYETHYLENE PLASTIC JOINT
MATERIAL "QUICK JOINT" OR EQUAL



SECTION A-A

NOTE: DRAINS 4" AND LARGER TO BE CONSTRUCTED THROUGH 8" MINIMUM CURBING UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. SEE STD 307 FOR CURB TRANSITION. WHEN THE DRAIN IS TO BE INSTALLED THROUGH EXISTING CURBING, THE CURB SHALL BE CORE DRILLED.

CITY OF RANCHO MIRAGE

STANDARD

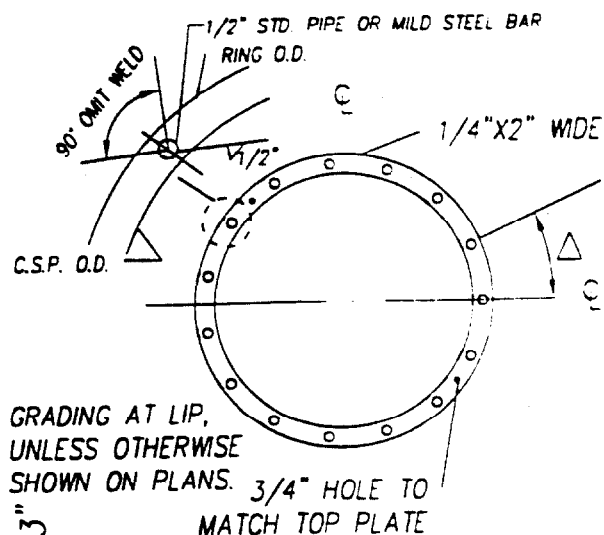
REVISIONS

PRIVATE DRAIN THROUGH CURB

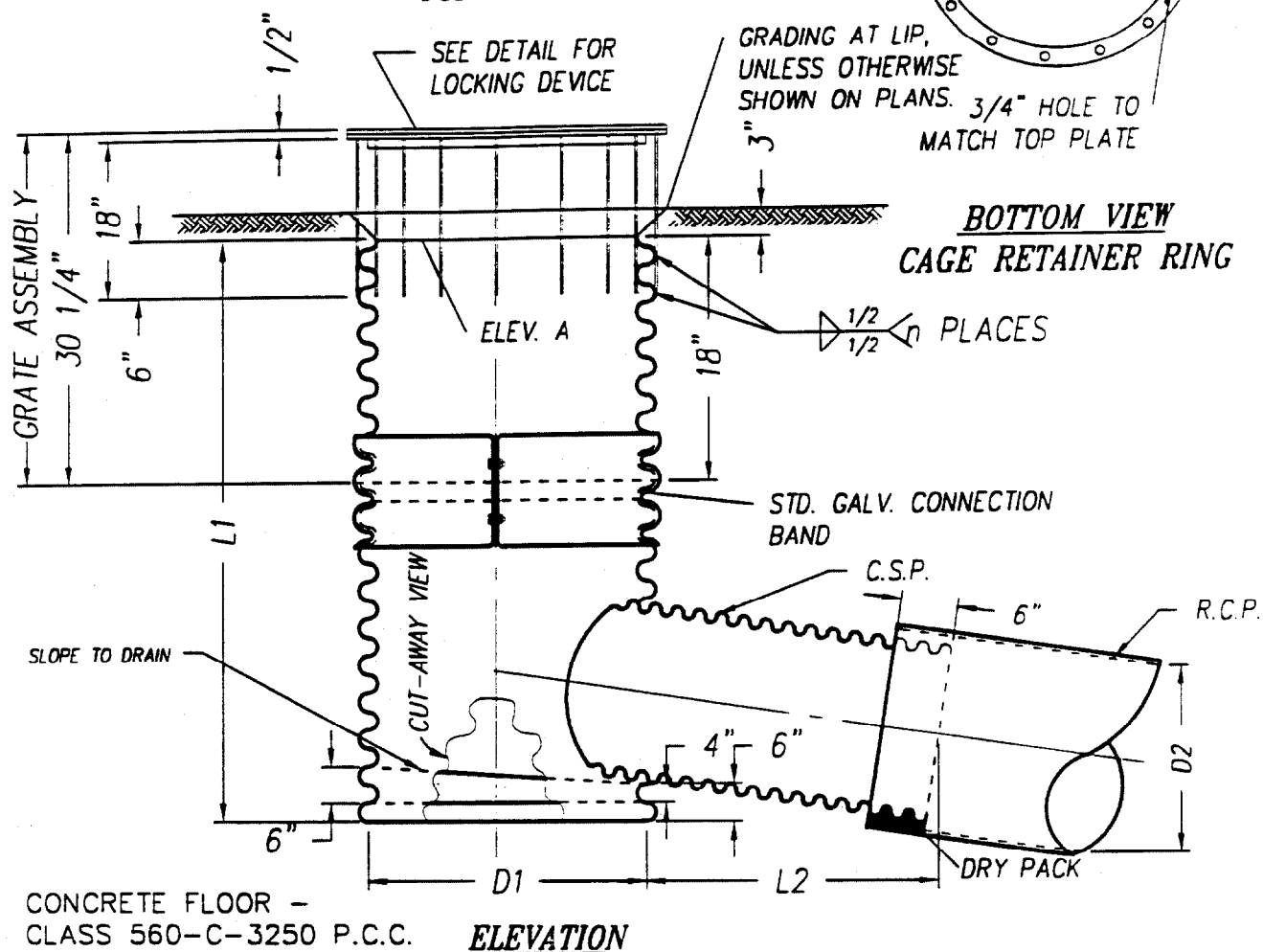
DETAIL

308

APPROVED BY: *[Signature]* 5/31/01
CITY ENGINEER DATE



BOTTOM VIEW
TOP PLATE



CONCRETE FLOOR -
CLASS 560-C-3250 P.C.C.

ELEVATION

STANDARD

CMP RISER INLET

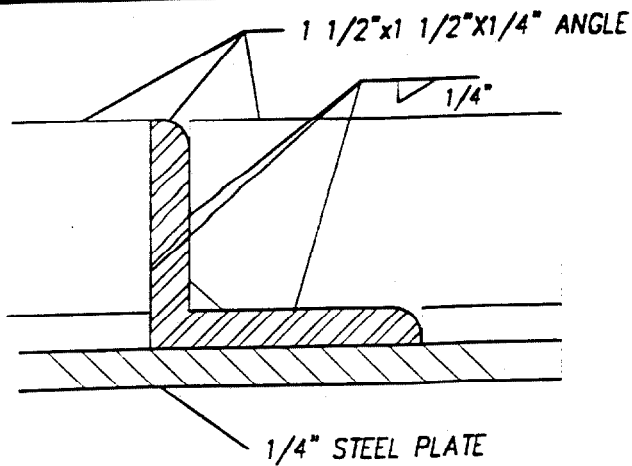
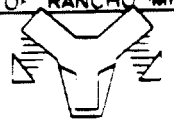
DETAIL

309

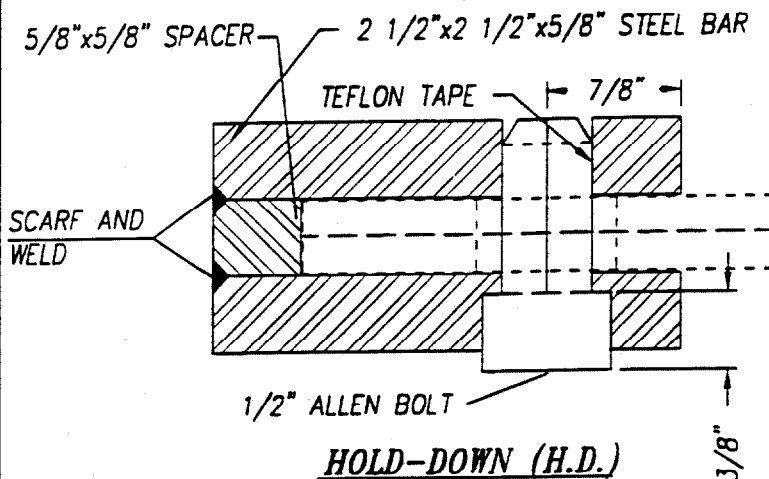
SHT. 1 OF 2

APPROVED BY: CITY ENGINEER DATE

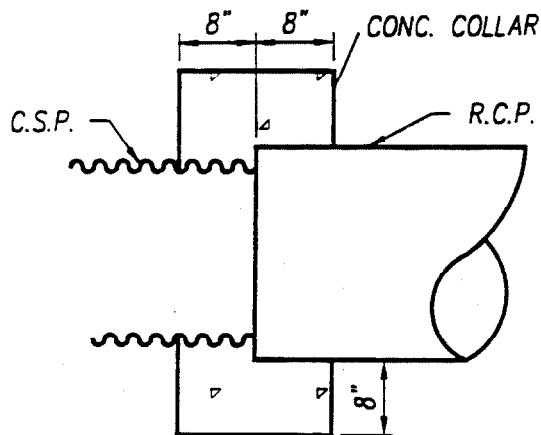
5/31/01
DATE

**DETAIL-PLATE STIFFENER**

D1	Δ	n	"H.D."
18"	40"	9	
24"-27"	30"	12	2
30"-33"	20"	15	
36"-39"	20"	18	3
42"-45"	16.5"	22	
48"-51"	14.5"	25	
54"-57"	13"	28	4
60"-63"	11.5"	31	
66"	10.5"	34	



D1 RISER	C.S.P.
DIAMETER	GAUGE
18"-27"	16
30"-39"	14
42"-48"	12
51"-66"	10

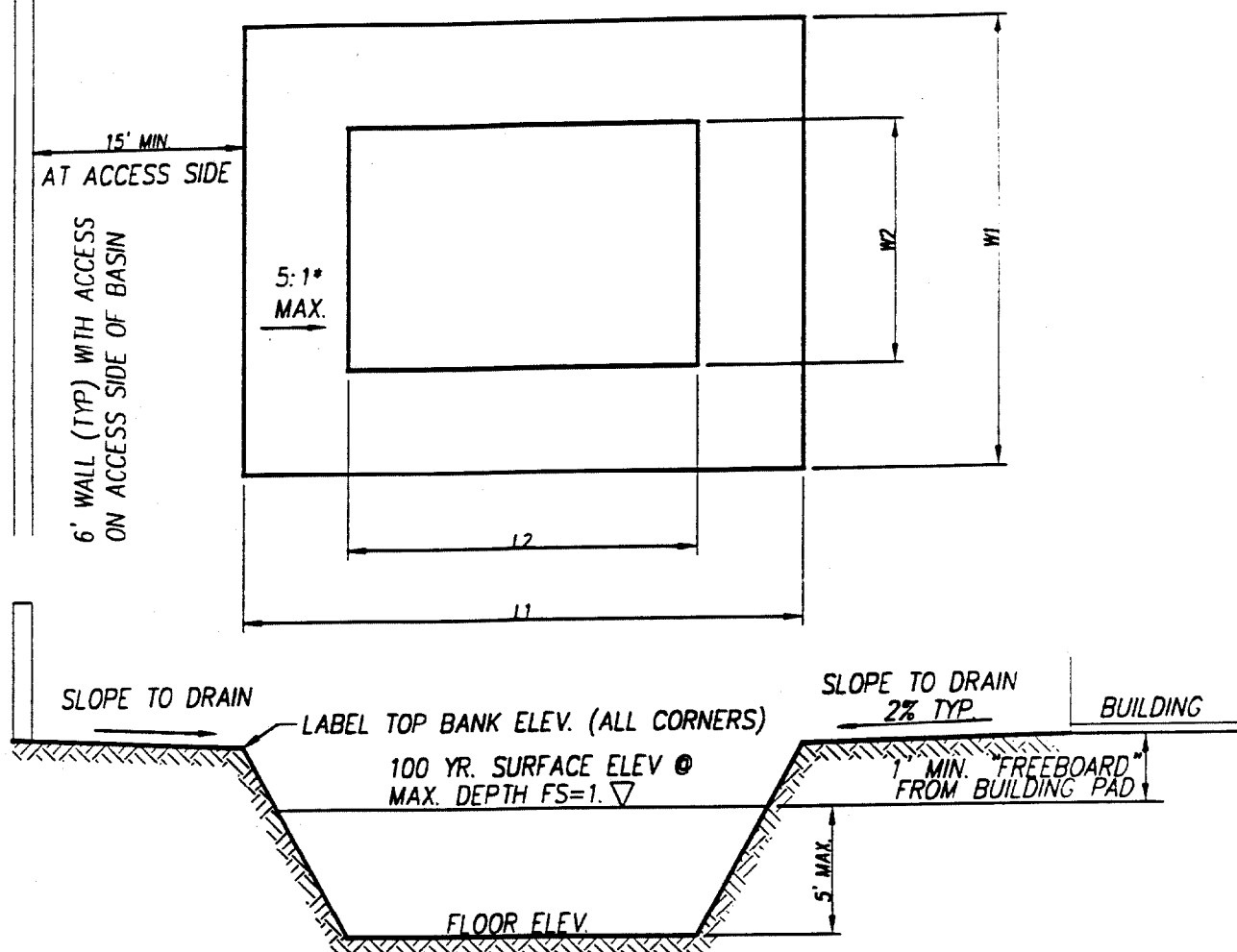
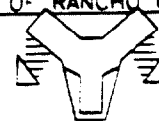
**ALTERNATE JUNCTION****NOTES:**

1. RISER PIPE SHALL EXTEND TO "ELEV. A".
2. ELEVATION A, D1, D2 L1, L2 ARE SHOWN ON PLANS.
3. CORRUGATED STEEL PIPE SHALL CONFORM TO AASHTO M-36.
4. GRATE ASSEMBLY SHALL BE GALVANIZED AFTER FABRICATION.
5. FOR D1=54" AND LARGER, WELD 1 1/2" x 1 1/2" x 1/4" ANGLES TO PLATE WITH 1" WELDS AT 6" O.C.
6. n=NUMBER OF BARS ON GRATE ASSEMBLY.
7. GAUGE OF PIPE FOR DIAMETER D2 SHALL BE SAME AS FOR RISER.
8. RISER AND STUB SHALL BE SHOP FABRICATED AND GALVANIZED AFTER WELDING.

CITY OF RANCHO MIRAGE**STANDARD**

REVISIONS

CMP RISER INLET**DETAIL****309**APPROVED BY: *William G. ...* DATE: *5/31/01***SHT. 2 OF 2**



DESIGN CRITERIA

MAX. PERCOLATION RATE = 1"/HR.

MAX. DEPTH AT PEAK STORAGE = 5'

FACTOR OF SAFETY F.S. = 1.0 MINIMUM

ONE FOOT MINIMUM "FREEBOARD" BELOW LOWEST BUILDING PAD TO MAXIMUM WATER LEVEL

THE BASIN SHALL BE DESIGNED TO RETAIN THE RUNOFF FROM THE WORST CASE OF THE 1 HR., 3 HR., 6 HR., OR 24 HR. DURATION, 100 YEAR FREQUENCY STORM.

SEE SHT. 2 OF 2 FOR MINIMUM PLAN REQUIREMENTS

* SLOPES STEEPER THAN 5:1 WILL REQUIRE EROSION CONTROL APPROVED BY THE CITY ENGINEER

CITY OF RANCHO MIRAGE

REVISIONS

RETENTION BASIN

APPROVED BY: *William H. C...* 5/31/01
CITY ENGINEER DATE

STANDARD

DETAIL

310

SHT. 1 OF 2



AT A MINIMUM, PLANS SHALL INCLUDE THE FOLLOWING INFORMATION:

1. BOUNDARY (LOT LINES) INCLUDING BEARING AND DISTANCES
2. SLOPE SYMBOLS, OR FINISH CONTOURS, WITH SLOPE RATIOS OR PERCENTAGES
3. ELEVATION LABELS FOR: BOTTOM, WATER SURFACE AT S.F.=1, AND TOP
(HYDROLOGY CALCULATIONS SHALL BE SUBMITTED VERIFYING BASIN AREA, DEPTH, AND VOLUME.)
4. DIMENSIONS (LENGTH, WIDTH AND DEPTH) OR SCALED DRAWING.
5. FINISHED SURFACE ELEVATIONS FOR IDENTIFYING THE FLOW PATHS
6. RIP-RAP OR APPROPRIATE EROSION CONTROL IF SLOPES EXCEED 20% (5:1)
7. ANY STRUCTURES, PIPES, HEADWALLS, RIP-RAP, DRYWELLS, ETC. SHOWN WITH REFERENCE TO STREET PLANS, STORM DRAIN PLANS, OR GRADING PLANS
(A DRYWELL IS RECOMMENDED FOR LARGER RETENTION BASINS AS A WAY OF INTERCEPTING "NUISANCE WATER" THAT MIGHT CAUSE A CONSTANT SWAMPY AREA TO DEVELOP IN THE RETENTION BASIN. FLOWS TO CVWD CHANNELS OR TO LAKES TYPICALLY REQUIRE A DRYWELL TO INTERCEPT STREET RUNOFF. MAINTENANCE IS EASIEST IF THE DRYWELL IS AT THE STREET SO VACUUM TRUCKS CAN ACCESS THEM. SEE STANDARD DRAWINGS 306 AND 311.)

CITY OF RANCHO MIRAGE

REVISIONS

RETENTION BASIN

STANDARD

DETAIL

310

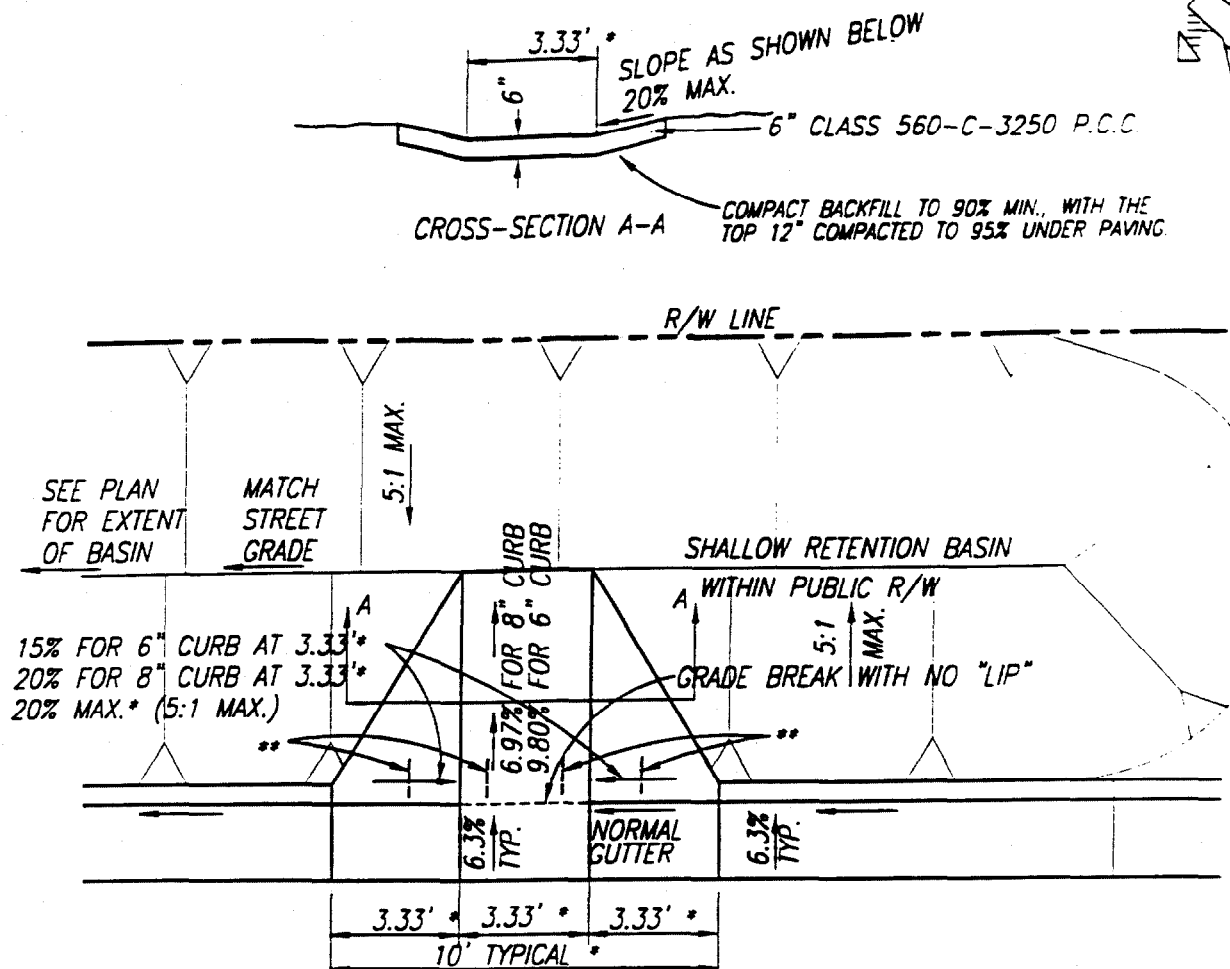
SHT. 2 OF 2

APPROVED BY: *William G. Lewis* 5/31/01
CITY ENGINEER DATE



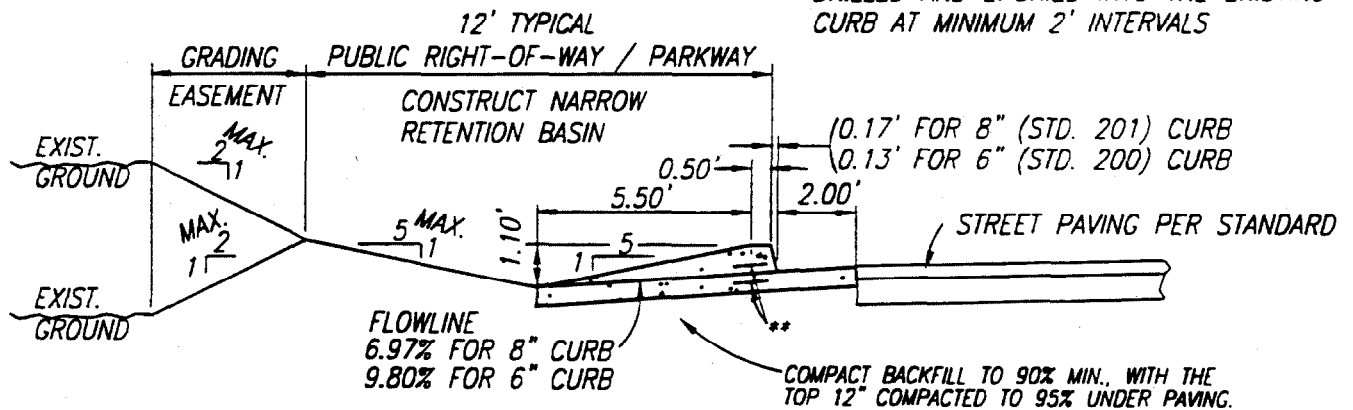
APPROVED BY: William Eng CITY ENGINEER DATE 5/31/61

311



(* = VARIABLE TO FIT BETWEEN EXISTING JOINTS AND TO ADJUST FOR STREET GRADES. NOTE THAT SIDE LENGTHS USUALLY WON'T MATCH.)

** NOTE:
IF DRAIN IS CUT INTO EXISTING CURB RATHER THAN BEING POURED IN ONE PIECE, THE ATTACHED PORTIONS SHOULD BE HELD IN PLACE BY REBAR "DOWELS" DRILLED AND EPOXIED INTO THE EXISTING CURB AT MINIMUM 2' INTERVALS



CITY OF RANCHO MIRAGE

STANDARD

REVISIONS

PARKWAY RETENTION DRAIN

DETAIL

APPROVED BY: *William G. Lewis* 5/31/01
CITY ENGINEER DATE

312